

Title (en)

METHOD FOR PRODUCING MOLDED BODY HAVING METAL PATTERN

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FORMKÖRPERS MIT METALLMUSTER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN CORPS MOULÉ AYANT UN MOTIF MÉTALLIQUE

Publication

EP 3817526 A1 20210505 (EN)

Application

EP 19826058 A 20190530

Priority

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Abstract (en)

The present invention provides a method for producing a shaped article having a metal pattern on an electrically insulating shaped article. The method includes step 1, forming an electrically conductive metal layer (M1) on an electrically insulating shaped article (A), the electrically conductive metal layer (M1) containing silver particles; step 2, removing part of the electrically conductive metal layer (M1) to separate the electrically conductive metal layer (M1) into an electrically conductive metal layer in the pattern region (PM1), the pattern region being the region in which the pattern is to be formed, and an electrically conductive metal layer in the no-pattern region (NPM1), the no-pattern region being the region in which the pattern is not to be formed; step 3, forming a patterned metal layer (PM2) on the electrically conductive metal layer in the pattern region (PM1) by electrolytic plating; and step 4, removing the electrically conductive metal layer in the no-pattern region (NPM1) using an etchant. This production method allows the manufacturer to form a strongly adhering metal pattern without roughening the surface of the shaped article and to produce a shaped article having a metal pattern on its surface without requiring vacuum equipment or special equipment.

IPC 8 full level

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